

FIG. 3

REQUEST MESSAGE

FC REQ SID HCS 72 74 76 78

FIG. 4

80 MAP MESSAGE MAC MANAGEMENT MESSAGE HEADER <u>82</u> **UPSTREAM NUMBER OF UCD COUNT CHANNEL ID ELEMENTS RESERVED** <u>86</u> <u>84</u> 88 **ALLOC START TIME** <u>90</u> **ACK TIME** 92 **RANGING RANGING DATA DATA BACKOFF BACKOFF BACKOFF BACKOFF** START 94 **END 96 START 97 END 99** MAP INFORMATION ELEMENTS

<u>100</u>

FIG. 5

	MAP INFORMATION ELEMENTS		
FIRST INTERVAL	SID <u>76</u>	IUC <u>102</u>	OFFSET 104
SECOND INTERVAL	SID	IUC	OFFSET
			~
LAST INTERVAL	SID	IUC	OFFSET

FIG. 6

110

	UPSTREAM CHAN	NEL DESCRIP	TOR
N	IAC MANAGEMENT		ADER
UPSTREAM CHANNEL ID 114	CONFIGURATION CHANGE COUNT 116	MINI-SLOT SIZE 118	DOWNSTREAM CHANNEL ID 120
⊤	LV-ENCODED CHA 12		PTOR
·	TLV-ENCODED BUF 12		ORS

FIG. 7

RANGING REQUEST MESSAGE

130

140

MAC MANAGEMENT MESSAGE HEADER

132

DOWNSTREAM
CHANNEL ID
COMPLETE

FIG. 8

RANGING RESPONSE MESSAGE

MAC MANAGEMENT MESSAGE HEADER

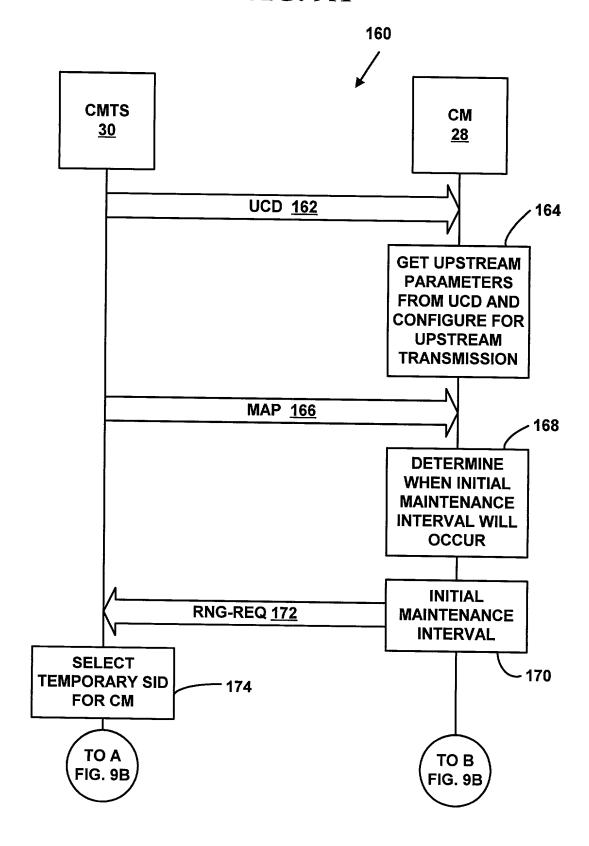
142

SID 76

UPSTREAM
CHANNEL ID
144

TLV ENCODED RANGING INFORMATION
146

FIG. 9A



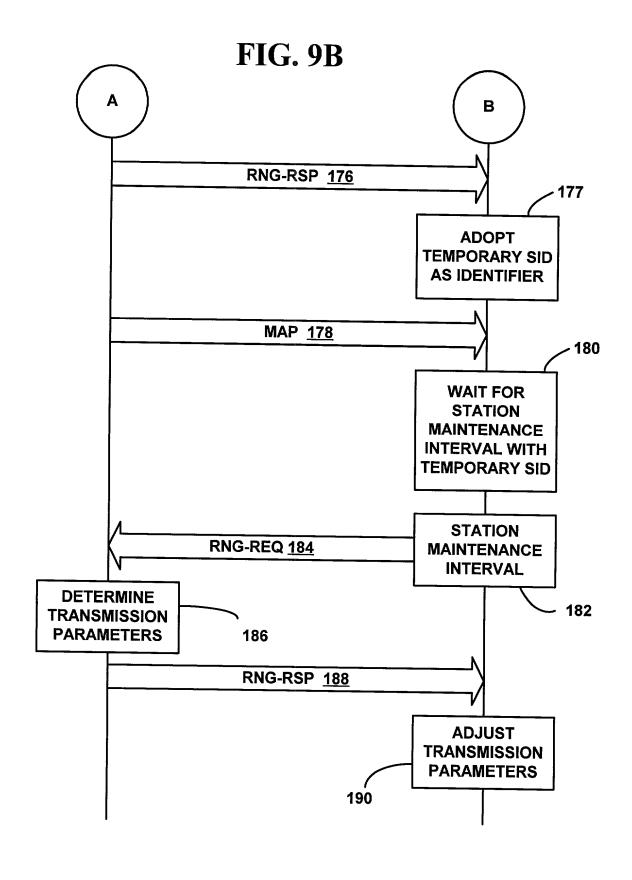
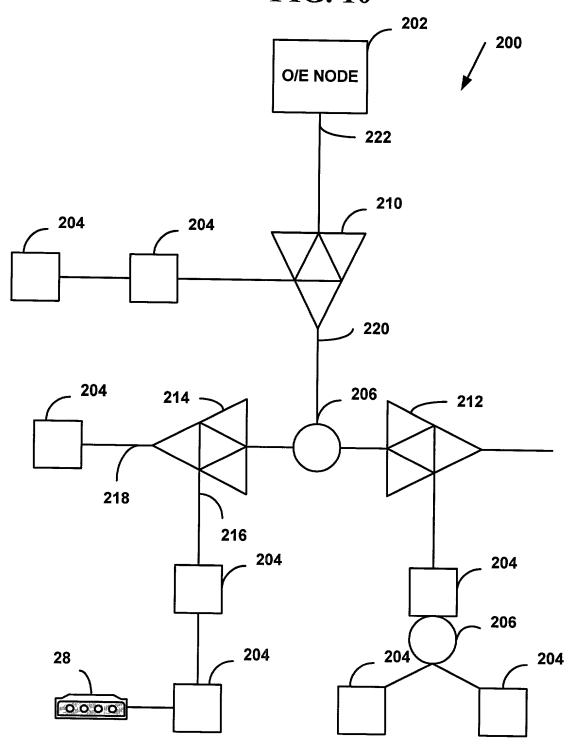
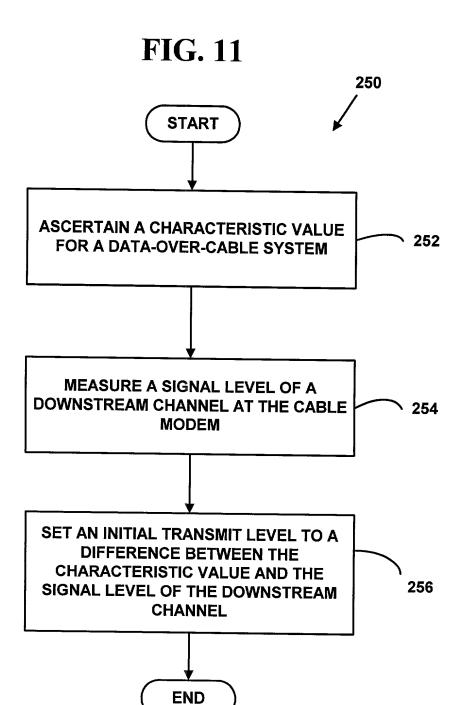


FIG. 10





RECEIVE AN IMPLEMENTATION DELTA VALUE ON A CM IN A MESSAGE FROM A CMTS

ADJUST AN INITIAL TRANSMIT LEVEL BY ADDING THE IMPLEMENTATION DELTA VALUE

END

260

262